

USDA PPQ Pale Potato Cyst Nematode National Survey

ISIS Design Setup

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Obtaining and Editing the ISIS Design

ISIS' design for the Pale Potato Cyst Nematode National Survey is available from the ISIS Admin Design Repository work unit. Log in at <http://199.132.63.231/isis4/ISIS/login.aspx> using the credentials ~

user name: ISISDesigns

password: password

Once in the repository work unit, (1) select "PCN National 2009" from the available designs, (2) select your work unit, (3) enter the design name for your work unit, then click Share. Although not required, ISIS recommends keeping the design name "PCN National" in your work unit to help simplify technical support. Designate the year that the survey covers—2009, 2010, 2011, etc.

After logging out of the repository work unit, send an e-mail with the following information to the ISIS Contact listed at the end of this document ~

- Work Unit name or number
- Design name
- Contact information for the person responsible for monitoring and maintaining PCN data.

This information will be used to define which designs are included in National Reports.

Next, log in to your ISIS work unit and select [Designs\Edit Designs](#). Select your new PCN National Survey design and click Next, add any additional fields specific to your work unit, then again click Next. You are now on the Edit Designs page. Edit Designs lets you update and add fields for your specific work unit, and hide fields on the PDA. Appendix A provides a summary of National PCN data elements and their settings.

At the very least you need to update the Location page **FIPS (County)** field by adding all appropriate counties for your PCN survey.

To hide a field from PDA users, right-click over the field name, select Hidden in the pop-up window, and click Save. The national design already has this set for many fields, such as those relating to lab analysis.

Click Save at the bottom of the Edit Designs page once all design changes are complete.

The screenshot shows the 'Share Designs' window in the ISIS Admin Design Repository. The window has a title bar with 'Share Designs' and 'isisdesigns | Logout'. It is divided into two panes. The left pane, titled 'Work Unit Designs', contains a list of designs with radio buttons. 'PCN National 2009' is selected and highlighted with a red '1'. The right pane, titled 'Available Work Units', contains a grid of work units with radio buttons. A red '2' is placed above this grid. At the bottom of the right pane, there is a 'Design Name' field containing 'PCN National 2009' and a 'Share' button. A red '3' is placed above the 'Design Name' field.

Contact ISIS Support for further help with adding additional custom fields to the design, creating users, or assigning designs to ISIS usernames.

ISIS Design

ISIS' PCN National design incorporates new information, called Metadata, that describes the overall data set. For PCN this top-level information has the following fields and associated values ~

surveySituation	= "29024 Detection Survey"	→ from NAPIS
surveyMethod	= "00558 PCN National Survey"	→ from NAPIS
surveyType	= "One-Time Survey (One visit per site)"	→ ISIS design classification

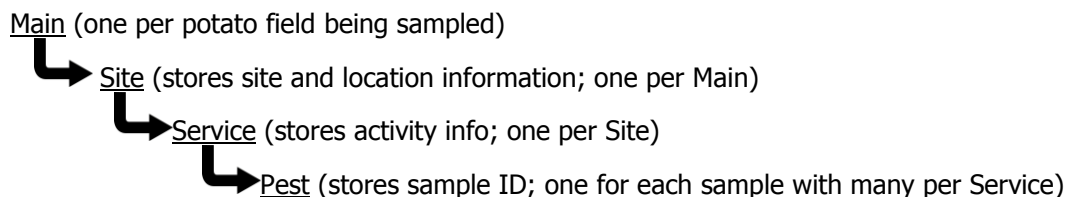
Although this information is currently not visible through the ISIS web interface, they are provided as part of all standard ISIS PCN reports.

Data from this nation-wide detection survey, summarized to NAPIS with survey method "PCN National Survey," is designed for one-time site visits (as opposed to multiple visits as in trapping surveys). The design has been set up to facilitate data entry using Excel uploads or PDAs, although data can easily be entered later in the office through the web interface.

Create one ISIS record for each distinct potato field. Although you can name this record anything, we recommend you define a naming convention and ensure all field crews understand this convention. This record, once created, is comprised of four distinct pages (data levels): Main, Site, Service, and Pest.

Each ISIS record (potato field) should have only one site to store descriptive information, such as crop type, and location data, such as coordinates and county name. For consistency, ISIS recommends capturing coordinates at the access point to the potato field. Next, within this site create one service to document the sampling date and method used (Manual or Mechanical). Within the service, create one pest (sample) entry for each sample collected in the potato field.

The hierarchical layout for each PCN record is ~




Individual data elements are listed in Appendix A.

Data Management

Every work unit is responsible for monitoring and maintaining their PCN data. Contact your regional data manager if you have questions regarding the maintenance of this or any other survey data, and for the latest reports available to help with quality control.

If PDAs are used, ISIS strongly recommends the regular unassigning of records from the PDA to reduce the amount of data transferred between ISIS and PDAs during synchronization. To unassign records, log into ISIS and click the **PDA\Make PDA Assignments** tab, then select a PCN user name. Next, check the bottom of the page in the **Assign Records** section for any records associated with the user. Use the

Filter records option to narrow the assigned records list if necessary. Finally, unassign all PCN records by clicking the bottom arrow () between the **Records** and **Assigned Records** sections.

Please call ISIS Support or your ISIS Contact for help with any data management questions or issues.

Lab Results

Results are added automatically if your lab uses ISIS to manage their chain of custody information. This is managed and stored in Lab Sample Services, and the ISIS team is working to have the system automatically update your pest (sample) data based on Lab Sample Services.

If your lab does not use ISIS then you are responsible for updating sample results. As results become available, log into ISIS and update each sample individually or use the [Data\Sample Services\Batch Services](#) tab to update multiple samples with the same information. Contact ISIS Support for further help with using Batch Services.

If your lab does not use ISIS but would like to for PCN or other sample data, have the lab call ISIS for information on connecting to the APHIS network and training.

ISIS Contact:

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Appendix A. PCN National Survey ISIS Design Data Elements

ISIS Design for " PCN National Survey 2009"									
ISIS Page	Data Element	Data	Format / Definition	Status	NAPIS	ISIS Setting	Defaults	NAPIS Fields	National Reporting - How Data are Reported
METADATA	surveySituation	29024 Detection Survey		Required	NAPIS	R	Default 29024		Used when filtering by type of survey.
	surveyMethod	00558 Pcn National Survey			NAPIS		Default 00558	Populates SURVEY-METHOD based on default survey method.	
	surveyType	One-Time Survey (One visit per site)		Required		R	Default One-Time Survey		
1. MAIN	Record Name	Text or #	(work unit defined)	Required		R		Provided in NAPIS export file for ISIS lookups.	Distinct record count represents "No. of Fields"
	SurveyDate	Survey record creation date	MM/DD/YYYY	Required		R L	Current Date		
	TargetPest	NEFBBA Golden Nematode Globodera rostochiensis	Drop Down	Required	NAPIS	L H	N/A	Defines pests of interest. EPA-PEST-CODE for negative reporting.	
		NEFBBBC White Potato-Cyst Nematode Globodera pallida							
	Comments	Text or #					Default <Blank>		
2. SITE	SiteDate	Site record creation date	00/00/0000	Required		R L	Current Date		
	SiteID (Trap Number)	Text or #	(work unit defined)			H	Default <Blank>	Provided in NAPIS export file for ISIS lookups.	
	Acres, Site Total	Number of acres sampled in the field		Recommended					Sum of acres represents "No. of Acres."
	EPASite (Host)	99999 Unknown; No Site Specified No site specified	Drop Down	Required	NAPIS	R	Default 99999	Populates EPA-SITE-CODE.	
		14013 Potato Solanum tuberosum							
		14100 Potato (Seed) Solanum tuberosum							
	CropSituation	29111 Potato; Certified Seed (Registered Lots)	Drop Down	Required	NAPIS	R	Default <Blank>	Populates CROP-SITUATION. Necessary when EPA-SITE-CODE = 99999	Used when filtering by potato type.
		29114 Sample Field In Production Potato Rotati							
		29116 Sample Field In Seed Potato Rotation							
	CropLifestage	000 Unspecified	Drop Down		NAPIS		Default 000	Populates CROP-LIFE-STAGE.	
		002 Seedling							
		011 Harvest							
	013 Post Harvest								
3. LOCATION	FIPS (County)	<County & State list from NAPIS FIPS>	Drop Down, User defines	Required	NAPIS	R	Default <Blank>	Populates STATE-COUNTY code.	Used when filtering by state and county.
	Latitude	Number	Number	For GIS	NAPIS		Default <Blank>	Populates LATITUDE.	
	Longitude	Number	Number	For GIS	NAPIS		Default <Blank>	Populates LONGITUDE.	
4. SERVICE	ServiceDate	Date service was performed	00/00/0000	Required	NAPIS	R L	Current Date	OBSERVATION-DATE and in OBSERVATION-DURATION calculations.	"Date of Survey." Used when filtering by year.
	ServiceTime	Time	HH:MM AM/PM			L H	Current Time		
	ActivityMethod	Manual - Full Field	Drop Down	Required		R	Default <Blank>		
		Mechanical - Full Field							
5. PEST	PestDate	Soil sample collection date	00/00/0000	Required		R L	Current Date		
	SampleID		Open text	Required		R	Sample ID (submission #)		Total count represents "No. of Samples Taken."
	ConfirmationDate	Lab confirmation date	00/00/0000			H	Default <Blank>		Represents "Date Samples Processed."
	EPAPest (Pest)	NEFBBA Golden Nematode Globodera rostochiensis	Drop Down, Default		NAPIS	H	Default <Blank>	Defines pest(s) of interest. EPA-PEST-CODE for positive reporting.	
		NEFBBBC White Potato-Cyst Nematode Globodera pallida							
	Count	Number of cysts detected in sample	Open Text		NAPIS	H	Default <Blank>	Populates QUANTIFICATION. Represents number of cysts in sample.	
	DescriptorUnits	700 Pest(s) In 5lb Sample	Drop Down, User Can Define		NAPIS	H	Default 700	Populates DESCRIPTOR-UNITS.	
	PestStatus	+ Positive (Present)	Drop Down		NAPIS	H	Default <Blank>	Populates PEST-STATUS.	Represents "Results" and "No. of Samples Processed."
		- Negative (Not Present In Sample)							
	PestLifestage	N5 Cyst	Drop Down		NAPIS	H	Default N5	Populates PEST-LIFE-STAGE.	
LAB SAMPLE	Lab ID	Sample Service page Lab ID that confirmed sample			NAPIS			Populates DIAGNOSTIC-LAB.	
	(napis data) Confirmation Method	Sample Service page Confirmation Method			NAPIS			Populates CONFIRMATION-METHOD.	
	Sample Date	Sample Service page Sample Date			NAPIS			Populates DIAGNOSTIC-LAB-DATE.	Represents "Date Samples Processed" when ISIS is used.
	NAPIS	Yellow background with NAPIS = Required for NAPIS Data Exporting							
	NAPIS	White with NAPIS = Other fields may or may not be required and are also uploadable to NAPIS							